

# AMAG18 AGRICULTURAL STRUCTURES AND ENVIRONMENT CONTROL

## UNIT-1 PLANNING AND LAYOUT OF FARMSTEAD.

Physiological reactions of livestock to solar radiation and other environmental factors, livestock production facilities.

## UNIT-2 BIS

2.1 Standards for dairy, piggery, poultry and other farm structures.

2.2 Design, construction and cost estimation of farm structures; animal shelters,

2.3 Compost pit, fodder silo, fencing and implement sheds, barn for cows, buffalo, poultry, etc.

## UNIT-3 ENGINEERING FOR RURAL LIVING AND DEVELOPMENT

3.1 Rural roads, farm fencing,

3.2 Their construction cost and repair and maintenance.

## UNIT-4 DESIGN OF SEPTIC TANK FOR SMALL FAMILY

4.1 Solid waste management system.

## UNIT-5 BOD AND COD OF FOOD PLANT WASTE

5.1 Primary and secondary treatment of food plant waste.

### Reference Books:

1. Maton, A et al. (1986). Housing of Animals- Developments in Agrl.Engg. Elsevier Science Publishing Co. Inc.
2. Michael and Ohja (2002). Principles of Agricultural Engineering (Vol. 1). Jain Brothers, New Delhi.